

Permit Reference Number: WP3836ZF

Installation: Wrexham Clinical Waste Incinerator

Operator: SITA HEALTHCARE LTD

Form Number: Agency Form / WP3836WF / E1 / Form Dated 01/10/05



**Reporting of Energy Usage for the Year.....2013.....**

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	CO2 Produced (Tonnes)
Electricity*	75444	196154.4	84.35
Natural Gas	415785	415785	79.00
<b>TOTAL</b>	<b>491229</b>	<b>611939.4</b>	<b>163.35</b>

\*Conversion factor for delivered electricity to primary energy

Year	Trends In Water Usage		Co2 produced	Co2 per Unit Output
	Parameter Usage	Parameter		
2013	Primary Energy Usage	611939.4	163.35	0.033 per ton processed

Operator's Comments:

Signed ..... Alan Gartside  
(authorised to sign as representative of Sita Ltd)

Date..... 23/01/2014

**MONITORING RETURNS N. WALLS**

INITIALS DATE

CHIEFED BY AUTHORIZATION

TRACED

OR FOR PUBLIC RELEASE

K.C.	7.2.14
JB	8.2.14
K.C.	7.2.14
JB	EDCM

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Permit Reference Number: WP3836ZF

Operator: SITA HEALTHCARE LTD

Installation: Wrexham Clinical Waste Incinerator

Form Number: Agency Form / WP3836ZF / P11 / Form Dated 01/10/05

### Reporting of Performance Indicators for the period...1st January 2013 to...31st December 2013

Annual Production/Treatment	
Total waste incinerated (Dry Basis)	4955.99 Tonnes
Total Clinical waste incinerated (Dry Basis)	4955.99 Tonnes

### Environmental Performance Indicators

Parameter	Quarterly Average	Units
Electrical Energy imported to site	18861	Kw/h
Natural Gas Consumption	103946	Kw/h
Mass of Bottom Ash Produced	249.17	Tons
Mass of APC residues produced	65.84	Tons
Activated Carbon Consumption	3.29	Tons
Lime Consumption	62.54	Tons
Potable Water Used	359.8	m3

Operators Comments

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Signed..... Alan Gartside.....  
(authorised to sign as representative of SITA Ltd)

Date..... 23/01/2014.....

Permit Reference Number: WP3836ZF

Operator: SITA HEALTHCARE LTD

Installation: Wrexham Clinical Waste Incinerator

Form Number: Agency Form / WP3836ZF / RI / Form Dated 01/10/05

**Reporting of Waste Disposal and Recovery for the Year .....2013.....**

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
APC residue	Reprocessing	263.37	
Waste Oil	Treatment	0	
<b>Total Hazardous Wastes</b>		<b>263.37</b>	
2) Non - Hazardous Wastes			
Bottom Ash	Landfill	996.7	
<b>Total Non-Hazardous Wastes</b>		<b>996.7</b>	
<b>TOTAL WASTES</b>		<b>1260.07</b>	

Year	Trends In Waste Disposal and Recovery		
	Named Waste Parameter	Total Waste	Waste per unit output
2013	ApC Residue	263.37	0.053 per ton processed
	Bottom Ash	996.7	0.201 per ton processed

Operator's Comments:

Signed: ..... Alan Gartside  
 (authorised to sign as representative of SITA Ltd)

Date: ..... 23/01/2014

Permit Reference Number: WP3836ZF

Operator: SITA HEALTHCARE LTD

Installation: Wrexham Clinical Waste Incinerator

Form Number: Agency Form / WP3836ZF / WUI / Form Dated 01/10/05

**Reporting of Water Usage for the Year.....2013.....**

Water Source	Usage (m3)	Specific Usage (m3/t)
Mains Water	1439.16	0.29
<b>TOTAL WATER USAGE</b>	<b>1439.16</b>	<b>0.29</b>

Year	Trends In Water Usage	
	Named Water Source Parameter	Water per Unit Output
2013	Mains Water	1439.16

Operator's Comments:

Signed..... Alan Gartside  
 (authorised to sign as representative of SITA Ltd)

Date..... 23/01/2014

Permit Reference Number: AP3538SM  
 Operator: SITA UK  
 Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPRW/P3836ZF  
 Form Number: Agency Form / Ash1 / WP3836ZF  
 17 December 2013

**Reporting of Ash Composition for the period from October 2013 to December 2013**

Ash Composition		% Carbon (TOC) <sup>w/lw</sup>	
Bottom Ash	October 2013	2.0	
Bottom Ash	November 2013	1.9	
Bottom Ash	December 2013	1.8	

Ash Composition (Metals, Dioxins, etc.)																	
	Sb mg/k g	Cd mg/kg	Tl mg/kg	Hg mg/kg	Pb mg/k g	Cr mg/k g	Cu mg/k g	Mn mg/k g	Ni mg/k g	As mg/kg	Co mg/k g	V mg/kg	Zn mg/kg	DIOXIN I-TEQ ng/kg	DIOXIN		
															WHO-TEQ ng/kg	Note 1	Note 2
Bottom Ash	71	6.8	<1	<1	1093	557	1800	401	175	28	4.9	33	1824	1.5	1.3	3.8	1.4
APC Residues	276	118	<1	192	2001	80	2143	132	72	<1	38	109	2648	1937	1730	2611	1914

Note1 Humans/ mammals  
 Note2 Birds  
 Note3 Fish

Signed .... Alan Gartside.....  
 (authorised to sign as representative of SITA UK)

Date:.....21/01/2014.....